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(71) Applicant (for all designated States except US CO., INC. [US/US]; 126 East Lincoln Aven 07065-0907 (US).				
 (72) Inventors; and (75) Inventors/Applicants (for US only): BETT, Ar. 126 East Lincoln Avenue, Rahway, NJ 070 SANDIG, Volker [DE/US]; 126 East Li. Rahway, NJ 07065-0907 (US). YOUIL, I. 126 East Lincoln Avenue, Rahway, NJ 0706 	065–090 incoln Rima [/	07 (US Avenu AU/US	i). e, i):	
(74) Common Representative: MERCK & CO., 1 Lincoln Avenue, Rahway, NJ 07065-0907 (126 Eas	st	
(54) Title: IMPROVED HELPER DEPENDENT V	ECTO	R SYS	TEM FOR GENE THERAPY	
(57) Abstract			4	
The present invention features helper-dependent adenoviral vector elements, and helper adenoviral elements, that enhance the production and isolation of helper-dependent adenoviral vectors. Such elements include a modified packaging	٤	stk120	HPRT C346 V Swal Eagl Fsel-Paci	
signal having low homology to, and preferably less activity than, a wild-type packaging signal, an E4 non-coding segment directly joined to the 5' ITR that	C4ER		Asci Noti Seol ER	
confers a selective advantage, and stuffer region(s) that provide a helper-dependent adenoviral vector with a GC content of about 50 % to about 60 %. The modified	C4AF0		HUMDXS455A AFO	
packaging signal is preferably used in a helper virus to decrease recombination and generation of the virus. The E4 non-coding	C4HSU		HSU HSU HSU	
segment and the stuffer region(s) are	HXER		HPRT(INT.1) GTP HUMDXS455A ER Swo/Eggl E4P	
	HXAF0		HPRT(INT.1) OFP HUMDXS455A AFO	i
. 1	HXHSU		HPRT(INT.1) GIP HUMDXS455A HSU	